

CLAIMS

1. A headphone apparatus wherein a baffle portion formed to surround a space except a front opening portion of a driver unit and/or a back housing portion formed to cover the back surface of said driver unit is formed using an air-permeable porous material.

2. A headphone apparatus according to claim 1, wherein said baffle portion is approximately cone-shaped.

3. A headphone apparatus according to claim 1, wherein an opening is made in the back surface of said back housing.

4. A headphone apparatus according to any one of claims 1 to 3, wherein chemical fiber unwoven fabric is used as said air-permeable porous material.

5. A headphone apparatus according to any one of claims 1 to 3, wherein cellulose based material is used as said air-permeable porous material.

6. A headphone apparatus according to claim 1, wherein said driver unit is provided in a bridge portion shaped like an arch forming a bridge to a rim which forms a frame.

7. A headphone apparatus according to claim 2, wherein the cone shape of said baffle portion is asymmetrical with respect to the axis of the cone.

8. A headphone apparatus according to claim 4, wherein said chemical fiber unwoven fabric is combined with a porous material such as cloth through an air-permeable adhesive layer to stabilize the shape thereof.

9. A headphone apparatus according to claim 5, wherein said cellulose based material is combined with a porous material such as cloth through an air-permeable adhesive layer to stabilize the shape thereof.

10. A headphone apparatus according to any one of claims 1 to 7, wherein a microphone device is attached to said headphone apparatus.